

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	215417	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens\$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 09:31
L2	698	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/03/04 09:31
L3	261	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/03/04 09:31
L4	380	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2008/03/04 09:31
L5	154179	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 09:31
L6	26091	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 09:31
L7	41786	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 09:31
L8	2	(L2 L3 L4) and L5 and L6 and L1 and L7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 09:31
L12	154179	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 10:52
L13	490893	(("90" nintey ninty) near2 degrees) (right near2 angle)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 10:52
L14	20848	(prism (beam near divert \$5)) same (reflect\$4 and transmi\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 10:52
L17	3	(2 3 4) and ((prism (redirect\$6 near2 (element solid))) with corner)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 10:53
L18	36	(2 3 4) and L12 and L13 and L14	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/03/04 10:53

L20	1	katou.in. and kimura.in. and akashi.in. and fukuda. in. and okada.in.	US-PGPUB	OR	ON	2008/03/04 10:55
L21	63	((two second other) adj3 (laser LED light beam)) and (prism splitter) and (perpendicular ("90" ninety) adj2 degrees) (right adj2 angle)) and substrate and ((two second other) adj2 (reflect \$4 transmi\$7))) .clm.	US-PGPUB	OR	ON	2008/03/04 11:00
S1	1	("20040105378").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/21 18:21
S2	770489	laser ((light beam) near2 (emitter element))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:36
S3	4018255	step level	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:30
S4	188412	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:30
S5	1041480	electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:30
S6	21374	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:31
S7	529	S6 near5 ((external outside) wire)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 15:31
S8	12	S2 and S3 and S4 and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:38
S9	7	("20040075527" "6115515" "6215295" "6256331" "6257772" "6282352" "6467972"). PN. OR ("6934448"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/17 16:11
S10	1285813	laser ((light beam) near2 (emit\$4 element diode)) LD LED	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:42
S11	17	S10 and S4 and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:42

S12	683	S10 and S4 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:43
S13	129861	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:37
S14	177	S13 and S4 and S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:48
S15	956949	fiber waveguide	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:44
S16	83	S14 and S15	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:45
S17	42816	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/08/17 17:44
S18	7	S14 and S17	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/08/17 17:45
S19	19	("5671315" "5896481" "6141471").PN. OR ("6257772").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/21 10:55
S20	2211	(385/88).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:40
S21	924	(385/89).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:40
S22	3040	(385/14).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 13:40
S23	21541	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 13:42
S24	1293347	laser ((light beam) near2 (emit\$4 element diode)) LD LED	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 13:42
S25	4038613	step level	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 13:43
S26	6079971	plual\$5 dual several many two three four	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:36
S27	157192	S26 near5 S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:37

S28	183829	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural \$5 parallel two three four)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 15:47
S29	35727	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 14:40
S30	189299	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 15:47
S31	11	S28 and S25 and S23 and S30 and S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 15:49
S32	43007	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 16:57
S33	40710	("385").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/09/06 16:57
S34	318	(S32 S33) and (S28 same S29)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 16:58
S35	241	(S32 S20 S21 S22) and (S28 same S29)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 16:58
S36	14	(S20 S21 S22) and (S28 same S29)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/06 16:58
S37	1	("6985424").PN.	US-PGPUB; USPAT	OR	OFF	2006/09/14 15:29
S38	653	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 15:11
S39	248	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 15:11
S40	357	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/20 15:12
S41	131245	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:12
S42	21653	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:12

S43	189935	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:12
S44	35895	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:14
S45	2	(S38 S39 S40) and S41 and S42 and S43 and S44	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/20 15:14
S46	3872378	hole gap opening cavity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:54
S47	190123	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:54
S48	24211	S46 same S47	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:55
S49	655	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:55
S50	248	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:55
S51	357	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/09/22 12:55
S52	89	(S49 S50 S51) and (S46 same S47)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:55
S53	67	(S49 S50 S51) and (S46 with S47)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/22 12:55
S54	4018591	hole gap opening cavity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 12:55
S55	198883	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 12:55
S56	666	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/19 12:55
S57	254	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/19 12:55

S58	368	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/19 12:55
S59	69	(S56 S57 S58) and (S54 with S55)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 12:55
S63	139203	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 12:56
S64	23158	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 12:56
S66	38012	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 12:56
S69	2	(S56 S57 S58) and S63 and S64 and S55 and S66	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/19 13:03
S70	199013	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:00
S71	667	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/20 13:00
S72	254	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/20 13:00
S73	368	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/03/20 13:00
S74	139315	(laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:03
S75	23176	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:00
S76	38038	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:00
S77	2	(S71 S72 S73) and S74 and S75 and S70 and S76	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:00
S78	4020276	hole gap opening cavity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:01

S79	69	(S71 S72 S73) and (S78 with S70)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:01
S80	458022	((("90" nintey ninty) near2 degrees) (right near2 angle)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:28
S81	18950	prism same (reflect\$4 and transmi\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:13
S82	2024	S74 and S80 and S81	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:04
S83	36	(S71 S72 S73) and S74 and S80 and S81	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:14
S84	19083	(prism (beam near divert \$5)) same (reflect\$4 and transmi\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:28
S85	36	(S71 S72 S73) and S74 and S80 and S84	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:14
S86	42876	("385").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/03/20 13:14
S87	157	(S71 S72 S73 S86) and S74 and S80 and S84	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:15
S88	121	S87 not S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 13:15
S89	1570515	substrate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:26
S90	3489953	pedestal step ((higher raised lower\$2) near3 (area region surface))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:27
S91	20849	(prism (beam near (divert \$5 deflect\$4))) same (reflect\$4 and transmi\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:28
S92	1335524	((("90" nintey ninty) near2 degrees) (right near2 angle) orthogonal perpendicular	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:29
S93	131	(S89 same S90) and (S74 same S92) and S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/03/20 14:31
S94	1	("5987404").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/21 18:21
S95	1	("5978404").PN.	US-PGPUB; USPAT	OR	OFF	2007/03/21 18:21

S96	684	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/24 16:36
S97	260	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/24 16:37
S98	373	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/24 16:37
S99	1	("6778486").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/24 17:05
S100	3	((S96 S97 S98) and ((prism (redirect\$6 near2 (element solid))) with corner)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/24 17:07
S101	34	((S96 S97 S98) and ((prism (redirect\$6 near2 (element solid))) with (corner edge))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/24 17:07
S102	208062	photodetector\$2 (photo adj2 (detect\$4 sens\$4)) ((photo light) near3 (sens \$3 receiv\$3 detect\$4) near3 diode) photodiode \$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/25 10:35
S103	685	(369/121).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/25 10:35
S104	260	(369/122).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/25 10:35
S105	374	(369/120).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/25 10:35
S106	147447	((laser ((light beam) near2 (emit\$4 element diode)) LD LED) near3 (multiple many several dual plural parallel two)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/25 10:35
S107	24850	thin near2 film near2 electrode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/25 10:35
S108	40121	polarization near3 (axis axes direction)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/25 10:35
S109	2	((S103 S104 S105) and S106 and S107 and S102 and S108	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/25 10:46

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